

32692

Customer Number

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Case No.: 57664US002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: WICKI, MARKUS A.
Application No.: 10/692358 Group Art Unit: 1764
Filed: October 23, 2003 Examiner: Sikari A. Witherspoon
Title: PROCESS FOR PREPARING FUNCTIONAL GROUP-CONTAINING OLEFINIC COMPOUNDS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:	
JUN 18 2004	<i>Hylis H. Froelke</i>
Date	Signed by: Hylis H. Froelke

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. Copies of any cited foreign patents, non-patent literature, and unpublished US application documents are enclosed. Pursuant to the waiver in the Pre-OG Notice, dated July 11, 2003, copies of US patents and published US patent applications are no longer required and are not enclosed. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

If a first Office Action on the merits has been mailed prior to the mailing date of this document, please charge the fee for consideration of an Information Disclosure Statement set forth in 37 CFR § 1.17(p), and if necessary, please charge any additional fees, or credit any overpayment to Deposit Account No. 13-3723.

Respectfully submitted,

June 18, 2004
Date

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U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
	A1	US- 3,752,843	08/14/1973	Henrick	
	A2	US- 3,783,135	01/01/1974	Henrick et al.	
	A3	US- 3,805,607	04/23/1974	Heusser	
	A4	US- 3,818,049	06/18/1974	Henrick et al.	
	A5	US- 3,875,243	04/01/1975	Descoins et al.	
	A6	US- 3,943,157	03/09/1976	Henrick et al.	
	A7	US- 4,189,614	02/19/1980	Samain et al.	
	A8	US- 4,912,253	03/27/1990	Fukumoto et al.	
	A9	US- 4,973,765	11/27/1990	Mackenroth et al.	
	A10	US- 5,089,659	02/18/1992	Brueckner et al.	
	A11	US- 5,292,973	03/08/1994	Fukumoto et al.	
	A12	US- 5,395,993	03/07/1995	Klein et al.	
	A13	US- 5,481,040	01/02/1996	Fukumoto et al.	
	A14	US- 5,599,848	02/04/1997	Klein et al.	
	A15	US- 6,248,364 B1	06/19/2001	Sengupta et al.	

Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-Kind Code (If known)				
	B1	CZ(CS)	233,069	05/04/1983		No abstract available	
	B2	DE	2,355,534 (Abstract)	09/11/1975	Hoechst		
	B3	DE	3,829,979 A1 (Abstract)	03/15/1990			
	B4	EP	0 038 052 B1	10/21/1981			
	B5	EP	0 241 335 B1	10/14/1987			
	B6	EP	0 569 805 B1 (Abstract)	03/12/1997			
	B7	JP	1996506573A	07/16/1996			X Machine
	B8	JP	3240752 A (Abstract)	10/28/1991			
	B9	JP	58177924 A (Abstract)	10/18/1983	Shin-Etsu		
	B10	JP	62212347 A (Abstract)	09/18/1987			

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		Ctry. Code	Number-Kind Code (if known)				
	B11	RO	64,550	08/30/1978		No abstract available	
	B12	RO	76,824	08/30/1981		No abstract available	
	B13	RO	84,426 (Abstract)	08/30/1984			
	B14	UK	1,299,691	12/13/1972			
	B15	WO	94/17662	08/18/1994			X
	B16	WO	99/56541	11/11/1999			

OTHER DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
	C1	Vincer et al., "Synthesis of Pheromones, III", <i>Acta Chimica Hungarica</i> , Vol. 124, No. 5, pp. 737 – 748, (1987).	
	C2	Kang et al., "Synthesis of (Z)-, and (E)-8-Dodecen-1-y1 Acetate, The Sex Pheromone Of The Oriental Fruit Moth, Grapholitha Molesta By Stereochemical Control In Wittig Olefination" <i>Bull. Korean Chem. Soc.</i> Vol. 7, No. 6, 1986, pp. 453 – 457.	
	C3	Stowell, J. C., "A Short Synthesis Of The Sex Pheromone Of The Pink Bollworm Moth", <i>The Journal of Organic Chemistry</i> , Vol. 35, January 1, 1970, pp. 244 – 245.	
	C4	Babler, J. H., and Haack, R. A., "A Facile Stereoselective Route To The Sex Pheromone Of The Codling Moth Via Thermolysis Of An Allylic Sulfoxide", <i>The Journal of Organic Chemistry</i> , Vol. 47, No. 24, November 19, 1982, pp. 4801 – 4803.	
	C5	Nicolaou, K. C. et al., "Total Synthesis Of The CP-Molecules (CP-263,114 and CP-225,917, Phomoidrides B and A). Racemic And Asymmetric Synthesis Of Bicyclo[4.3.1] Key Building Blocks", <i>The Journal of Organic Chemistry. Soc.</i> , March 13, 2002, Vol. 124, No. 10, pp. 2183 – 2189.	
	C6	Organic Reactions, Vol. 8, John Wiley & Sons, Inc., New York, (1954) pp. 252	
	C7	Silverstein, R. M., "Practical Use Of Pheromones And Other Behavior-Modifying Compounds: Overview", <i>Behavior-Modifying Chemicals For Insect Management</i> , Edited by Ridgway, Silverstein, and Inscoe, Marcel Dekker, Inc., New York and Basel, 1990, pp. 6.	
	C8	Vig, O.P., Vig, A.K., Gauba, A.L., and Gupta, K.C.; "A New Synthesis of trans-8-trans-10-dodecadien-1-ol", <i>Journal of The Indian Chemical Society</i> , Vol. LII, June 1975, pp. 541 – 542.	
	C9	Kulkarni, et al., "Synthesis Of Dienic Pheromones Of Codling Moth & Grape Vine Moth", <i>Indian Journal of Chemistry</i> , Vol. 23B, December 1984, pp. 1208 – 1210.	

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Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 3 of 4	Application Number	10/692358
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	C10	Naoshima, Y, et al., "A New Synthesis of (E)-8-10-Dodecadien-1o1, Sex Pheromone Of Codling Moth", <i>Agricultural and Biological Chemistry</i> , May 1980, Vol. 44(6), pp. 1419 – 1420.	
	C11	Ando, T.; et al., "Systematic Syntheses And Characterization Of Dodecadien-1-ols With Conjugated Double Bond, Lepidopterous Sex Pheromones", <i>Agricultural and Biological Chemistry</i> , January 1985, Vol. 49(1), pp. 141 – 148.	
	C12	Descoins, C., and Hendrick, C. A., "Stereoselective Synthesis Of A Sex Attractant Of The Cooling Moth", <i>Tetrahedron Letters</i> , No. 30, Pergamon Press, 1972, pp. 2999 – 3002.	
	C13	Bloch, R., and Abecassis, J., "A General And Stereoselective Synthesis Of (E,E)-Conjugated Dienes", <i>Tetrahedron Letters</i> , Vol. 24, No. 12, Pergamon Press, 1983, pp. 1247 – 1250.	
	C14	Pagni, R. M., and Watson, Jr., C. R., "The Reaction Of Phenalenone With Aluminum Hydrides", <i>Tetrahedron Letters</i> , Vol. 29, Pergamon Press, 1974, pp. 3807 – 3810.	
	C15	Du Penhoat, C. H., and Julia, M., "Synthesis With Sulfones XLIV. Stereoselective Preparation Of EE 1,3-Dienes By Elimination Of Benzenesulfinic Acid From E. Homoallylic Sulfones", <i>Tetrahedron Letters</i> , Vol. 42, No. 17, Pergamon Press, 1986, pp. 4807 – 4816.	
	C16	Bestmann, H. J., Sub, J., and Vostrowsky, O., "Pheromone XXVI. Synthese Der Sexuallockstoffe (E)-7, (Z)-9-Dodecadienylacetat, (E)-9,11-Dodecadienylacetat Und (Z)-9,(E)-11-Tetradecadienylacetat", No. 26, <i>Tetrahedron Letters</i> , Pergamon Press, (1979), pp. 2467 – 2470.	
	C17	Babler, J. H., and Coghlan, M. J.; "A Facile Method For Monoacetylation Of Symmetrical Diols: Application To The Total Synthesis Of Z-8-Dodecenyl Acetate, The Sex Attractant Of The Oriental Fruit Moth", Pergamon Press Ltd., <i>Tetrahedron Letters</i> , No. 22, 1979, pp. 1971 – 1974.	
	C18	Popovici, N., "Syntheses Of The Sex Pheromone Of The Codling Moth", <i>Revue Roumaine de Chemie</i> , 1997, Vol. 42, No. 3, 1997, pp. 221 – 224.	
	C19	8th International Congress of Pesticide Chemistry Options 2000, American Chemical Society, Washington, D.C., 1995, pp. 94.	
	C20	Kukovinets, O. S. et al., "Ozonolysis Of Alkenes And Study Of Reactions Of Polyfunctional Compounds: LXII. New Synthetic Route To 7E,9Z-Dodecadien-1-yl Acetate, Pheromone Of The Leaf Roller Moth (<i>Lobesia botrana</i>)", <i>Russian Journal of Organic Chemistry</i> , Vol. 36, No. 2, February 2000, pp. 211 – 213.	
	C21	Kukovinets, O. S., et al., "Alkene Ozonolysis And The Study Of Reactions Of Polyfunctional Compounds: LXI. New Synthetic Route To Bombycol, Pheromone Of Mulberry Silkworm", <i>Russian Journal of Organic Chemistry</i> , Vol. 35, No. 8, August 1999, pp. 1156 – 1159.	

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	C22	Odinokov, V. N., et al., "Insect Pheromones And Their Analogs, Lvii. Synthesis Of The Racemic Analog Of The Sex Pheromone Of Pine Sawflies Of The Genera" <i>Chemistry of Natural Compounds</i> (Translated from Russian), Vol. 34, No.1, January – February 1998, Plenum Publishing Corporation, pp. 96 – 98.	
	C23	Kukovinets, O. S., et al., "Insect Pheromones And Their Analogs LIX. A New Method For The Synthesis Of Components Of The Sex Pheromones Of Insects Of The Genus <i>Malocosoma</i> ", <i>Chemistry of Natural Compounds</i> , Vol. 35, No. 3, 1999, pp. 358 – 360.	
	C24	Gil, S., et al., "Sex Pheromone Of Chilo Suppressalis: Efficient Syntheses Of (z)-11-Hexadecenal,(z)-13-Octadecenal and (z)-9-Hexadecenal", <i>Synthetic Communications</i> , Vol. 26, No. 12, 1996 pp. 2329 – 2340.	
	C25	Dudkin, M. S., and Denisyuk, N. A., "Structure Of A Glucuronoxylan From Alfalfa Stems", <i>Chemistry of Natural Compounds Khimiya Prirodnykh Soedinenii</i> , (Translated from Russian), Vol. 25, No.3, May - June 1989, Plenum Publishing Corporation, pp. 276 – 278.	
	C26	Deng et al., "Syntheses of Insect Pheromones By Phase Transfer Catalytic Wittig Reaction", <i>Chinese Science Bulletin</i> , February 1989, Vol. 34, No. 3, pp. 203 – 206.	
	C27	Jiang et al., <i>Huaxue Shiji</i> , 1988, Vol. 10, No. 3, pp. 131 – 132.	
	C28	Popovici et al, "Exo- and Endohormones. VII ¹ Synthesis of Z-11-Tetradecen-1-OL Acetate By Phosphonium Ylide Condensation", <i>Revue Roumaine de Chimie</i> , 1983, Vol. 28, No. 11 – 12, pp. 995 – 999.	
	C29	Zhang et al., "Identification And Synthesis Of Female Sex Pheromone Of Oriental Beetle, <i>Anomala Orientalis</i> (Coleopters: Scarabaeidae)", <i>Journal of Chemical Ecology</i> , Vol. 20, No. 9, 1994, pp. 2415 – 2427.	
	C30	Kovalev, B. G. and Al'tmark, E. M., "The Unsymmetrical Extension Of The Chain Of Keto Aldehydes In The Wittig Reaction", Translated from <i>Zhurnal Organicheskoi Khimii</i> , Vol. 8, No. 8, pp. 1582 – 1587, August 1972, 1973, Consultants Bureau, a division of <i>Plenum Publishing Corporation</i> , New York, pp 1616 – 1620.	

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